

NOV 01 2005

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

5

## Complete If Known

Application Number	10/614,917
Filing Date	July 7, 2003
First Named Inventor	Wilson et al.
Group Art Unit	2621
Examiner Name	B. Werner
Attorney Docket Number	2269-3247.4US (97-0254.04/US)

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BW		4,032,949	06/28/1977	Bierig	
		4,150,331	04/1979	Lacher	
		4,455,495	06/19/1984	Masuhara et al.	
		4,534,014	08/06/1985	Ames	
		4,667,403	05/26/1987	Edinger et al.	
		4,871,963	10/03/1989	Cozzi	
		4,954,453	09/04/1990	Venutolo	
		5,105,362	04/1992	Kotani	
		5,110,754	05/05/1992	Lowrey et al.	
		5,219,765	06/1993	Yoshida et al.	
		5,235,550	08/10/1993	Zagar	
		5,253,208	10/1993	Kang	
		5,256,562	10/26/1993	Vu et al.	
		5,256,578	10/1993	Corley et al.	
		5,296,402	03/22/1994	Ryou	
		5,326,709	07/1994	Moon et al.	
		5,345,110	09/06/1994	Renfro et al.	
		5,352,945	10/04/1994	Casper et al.	
		5,355,320	10/1994	Erjavec et al.	
		5,424,652	06/13/1995	Hembree et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
BW		JP 02246312 A	10/02/1990	Fujitsu Ltd.		X
		JP 04080949 A	03/13/1992	Hitachi Ltd.		X
		JP 04318911 A	11/10/1992	Matsushita Electric		X
		JP 05013529 A	01/22/1993	NEC Kyushu Ltd.		X
		JP 05121573 A	05/18/1993	Sharp Corp		X
		JP 05315207	11/26/1993	NEC Corp.		X
		JP 06013443 A	01/21/1994	Toshiba Seiku KK		X
		JP 06349691 A	12/22/1994	Hitachi Ltd.		X
		JP 07050233	02/21/1995	Kawasaki Steel		X

Examiner  
Signature

/Brian Werner/

Date  
Considered

06/06/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

5

## Complete If Known

Application Number	10/614,917
Filing Date	July 7, 2003
First Named Inventor	Wilson et al.
Group Art Unit	2621
Examiner Name	B. Werner

Attorney Docket Number 2269-3247.4US (97-0254.04/US)

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BW		5,428,311	06/27/1995	McClure	
		5,440,240	08/1995	Wood et al.	
		5,440,493	08/1995	Doida	
		5,442,561	08/15/1995	Yoshizawa et al.	
		5,450,326	09/1995	Black	
		5,477,493	12/19/1995	Danbayashi	
		5,483,175	01/1996	Ahmad et al.	
		5,495,417	02/1996	Fuduka et al.	
		5,504,369	04/1996	Dasse et al.	
		5,516,028	05/14/1996	Rasp et al.	
		5,537,325	07/1996	Iwakiri et al.	
		5,538,141	07/23/1996	Gross, Jr. et al.	
		5,539,235	07/23/1996	Allee	
		5,563,832	10/08/1996	Kagami	
		5,568,408	10/1996	Maeda	
		5,570,293	10/1996	Tanaka et al.	
		5,581,510	12/03/1996	Furusho et al.	
		5,590,069	12/31/1996	Levin	
		5,600,171	02/04/1997	Makihara et al.	
		5,603,412	02/18/1997	Gross, Jr. et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
BW		JP 10104315 A	04/24/1998	NEC Corp.		X
		JP 11008327	01/12/1999	Sony Corp		X
		JP 58050728 A	03/25/1983	Mitsubishi Electric Corp.		X
		JP 58052814 A	03/29/1983	NEC Corp.		X
		JP 58060529 A	04/11/1983	Mitsubishi Electric Corp.		X
		JP 61120433 A	06/07/1986	Toshiba Corp.		X
		SU 1151333 A	04/23/1985	Tsvetnoj Metallurgii		X

Examiner Signature

/Brian Werner/

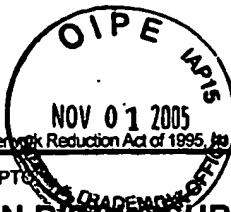
Date Considered

06/06/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0551-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/08A (10-01)

Substitute for form 1448A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
Sheet	3	of	5
		Application Number	10/614,917
		Filing Date	July 7, 2003
		First Named Inventor	Wilson et al.
		Group Art Unit	2621
		Examiner Name	B. Werner
		Attorney Docket Number	2269-3247.4US (97-0254.04/US)

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BW		5,606,193	02/25/1997	Ueda et al.	
		5,617,366	04/01/1997	Yoo	
		5,619,469	04/08/1997	Joo	
		5,625,816	04/1997	Burdick et al.	
		5,726,074	03/1998	Yabe	
		5,764,650	06/1998	Debenham	
		5,787,190	07/1998	Peng et al.	
		5,801,965	09/1998	Takagi et al.	
		5,828,778	10/1998	Hagi et al.	
		5,865,319	02/02/1999	Okuda et al.	
		5,867,505	02/1999	Beffa	
		5,889,674	03/1999	Burdick et al.	
		5,895,962	04/1999	Zheng et al.	
		5,963,881	10/1999	Kahn et al.	
		5,991,699	11/1999	Kulkarni et al.	
		5,994,915	11/1999	Farnworth et al.	
		5,976,899	11/1999	Farnworth et al.	
		6,000,830	12/1999	Asano et al.	
		6,018,686	01/2000	Orso et al.	
		6,055,463	04/25/2000	Cheong et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Signature	/Brian Werner/	Date Considered	06/06/2006
-----------------------	----------------	--------------------	------------

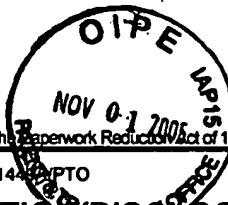
**'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant:**

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450





Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
Sheet	5	of	5
		Application Number	10/614,917
		Filing Date	July 7, 2003
		First Named Inventor	Wilson et al.
		Group Art Unit	2621
		Examiner Name	B. Werner
		Attorney Docket Number	2269-3247.4US (97-0254.04/US)

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
BW		6,365,421 B2	04/02/2002	Debenham et al.	
		6,365,860 B1	04/02/2002	Beffa	
		6,365,861 B1	04/02/2002	Beffa	
		6,373,011 B1	04/16/2002	Beffa	
		6,373,566 B2	04/2002	Zeimantz	
		6,424,168 B1	07/2002	Farnworth et al.	
		6,427,092	07/2002	Jones et al.	
		6,437,271 B1	08/20/2002	Beffa	
		6,441,897 B1	08/2002	Zeimantz	
		6,504,123	01/2003	Beffa	
		6,529,793	03/2003	Beffa	
		6,534,785 B1	03/2003	Farnworth et al.	
		6,553,276 B2	04/2003	Akram et al.	
		6,594,611	07/2003	Beffa	
		6,613,590 B2	09/2003	Simmons	
		6,636,068	10/2003	Farnworth	
		6,654,114 B2	11/2003	Zeimantz	
		6,703,573 B2	03/09/2004	Beffa	
		6,788,993	09/2004	Beffa	
		6,895,538	05/17/05	Benedix et al.	
		6,944,567 B2	09/2005	Beffa	

## FOREIGN PATENT DOCUMENTS

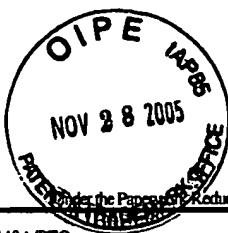
Examiner Signature	/Brian Werner/	Date Considered	06/06/2006
--------------------	----------------	-----------------	------------

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See *Kinds Codes of USPTO Patent Documents* at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

•

8

Sheet 1 of 1

<i>Complete if Known</i>	
Application Number	10/614,917
Filing Date	July 7, 2003
First Named Inventor	Wilson et al.
Group Art Unit	2621
Examiner Name	B. Werner
Attorney Docket Number	2269-3247.4US (97-0254.04/US)

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature	/Brian Werner/	Date Considered	06/06/2006
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
BW		JP 07066091 A	03-10-1995	Sony Corp		X
BW		JP 02164017 A	06-25-1990	Tokyo Electron Ltd		X
BW		JP 06267809 A	09-22-1994	Hitachi Ltd		X
BW		JP 08162380 A	08-21-1996	Nissan Motor Co Ltd		X

Examiner Signature	/Brian Werner/	Date Considered	06/06/2006
-----------------------	----------------	--------------------	------------

**\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.